

ART 34 ANDT

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WHAT IS CLAIMED IS

1. The kind of monitor which use the solid graphic display technique to generates spatial images on a set or block of multiple screens paced as overlapped multi-layers, characterized by:

5 generating three dimensional video images in color using a single block of overlapped color screens, where said single block of screens can have a flat or curved shape, or combination of both shapes, which only depends on the shape of the material with which said overlapped block of screens is constructed; and

10 the color screens which comprise the block are illuminated with only one light source in common placed in the rear of the block of screens, that is, behind the more distant screen from the viewer, in order to illuminate simultaneously and homogeneously all the screens from the depth of the kind of monitor and through all the screens.

15 2. The electronic device for handling signal which is characterized by:

20 replicating a determinate number of the original video image of an object filmed with a video camera, obtaining several identical images from the original image, wherein each one of the images is handled in a different way in order to modify its information according to the corresponding distances determined by any known method that are between several points of said filmed object and said camera, in order to enable or disable the corresponding pixels from each one of the images obtained from said original image, obtaining new and different images which are displayed in the same quantity of independent LCD screens that compose the kind of monitor from claim 1;

25 editing the visual edition by computer programming in order to obtain three-dimensional images from the existing flat format video films, programming the depth information in order to add from the determined plane in the depth direction the display of each pixel that forms the video image which corresponds to said plane, or well to generate both the video images and depth data completely by computer, using animation techniques by computer or virtual reality, wherein there will be shown on each screen in the kind of monitor of multiple screens of claim 1, a different screen in correspondence with the desired perspective, for display; and

30 serving as interface to the video and depth signal used in the kind of monitor of multiple overlapped color screens related according to claim 1.